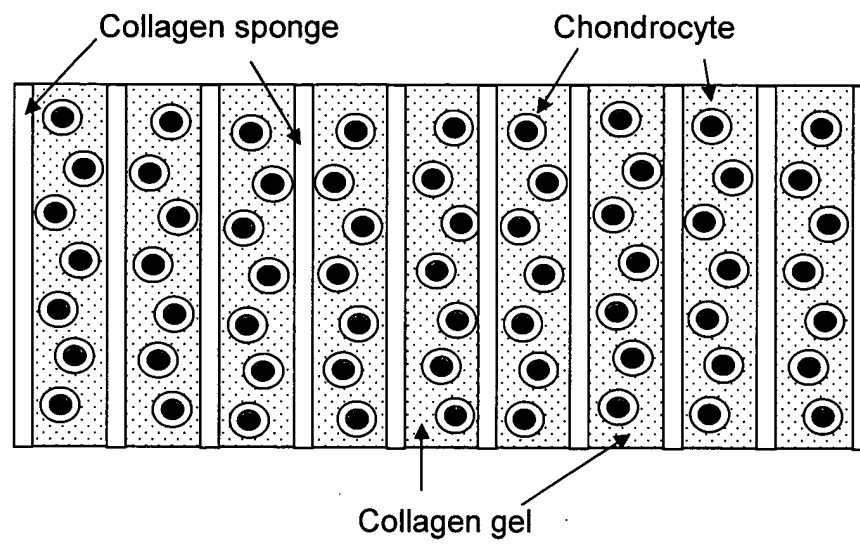
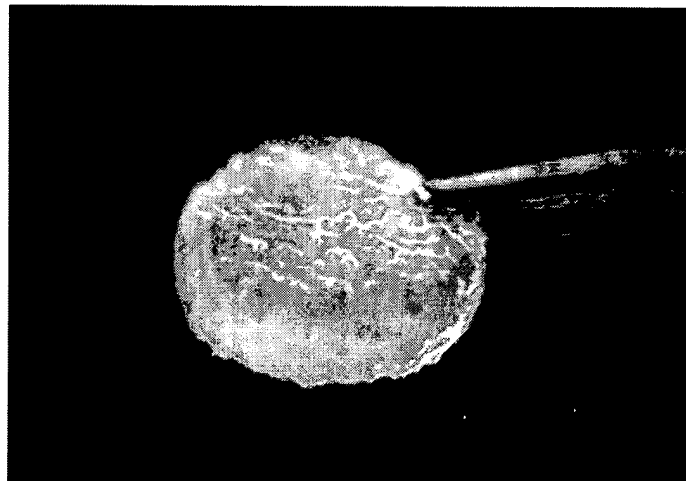


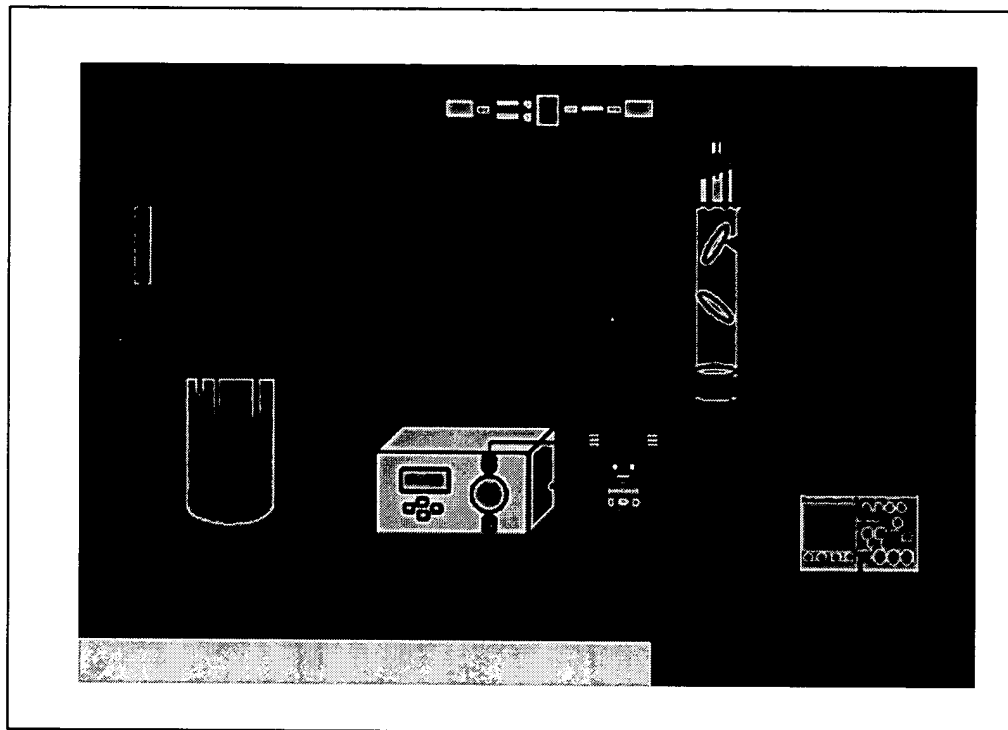
**Fig. 1A**



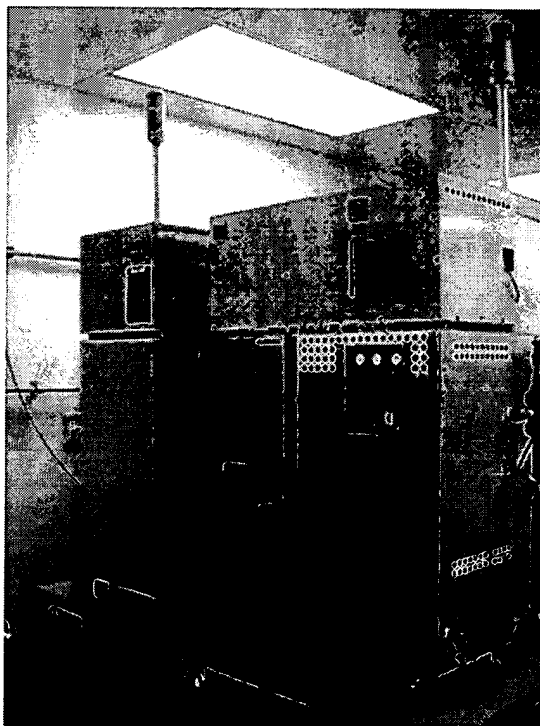
**Fig. 1B**



**Fig. 2A**

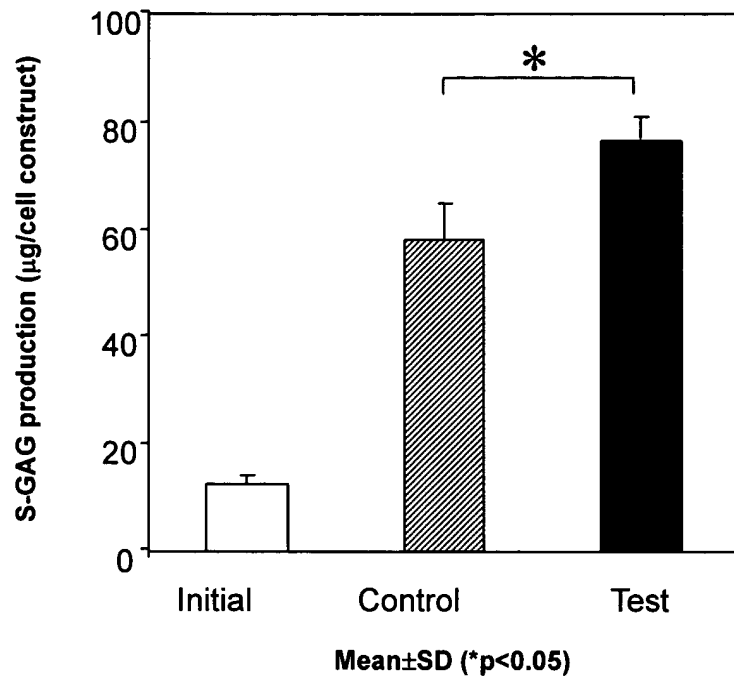


**Fig. 2B**



- Hydrostatic static pressure
- Medium flow rate
- Gas concentration
- Temperature setting

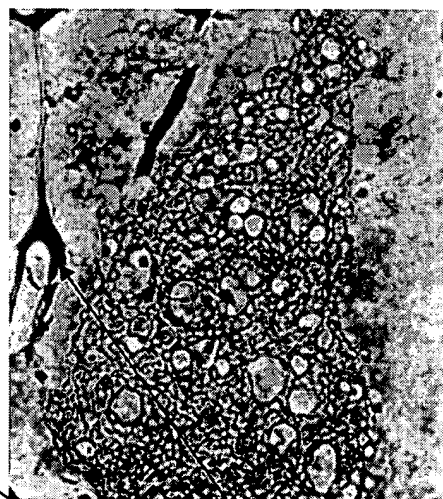
**Fig. 3A**



**Fig. 3B**



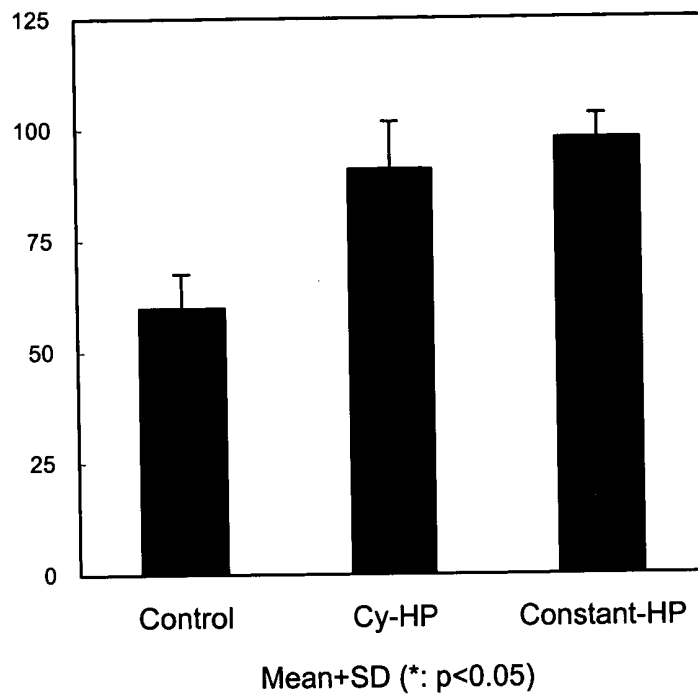
**Fig. 3C**



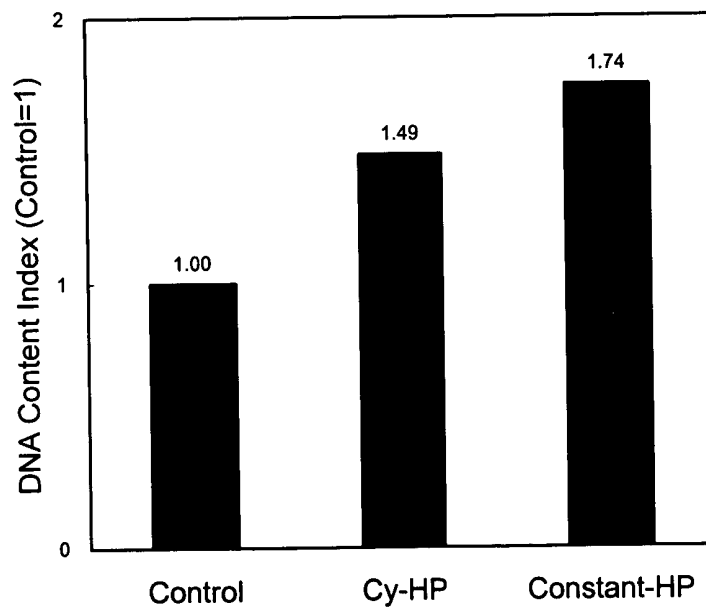
**\*: S-GAG accumulation**

**Collagen sponge**

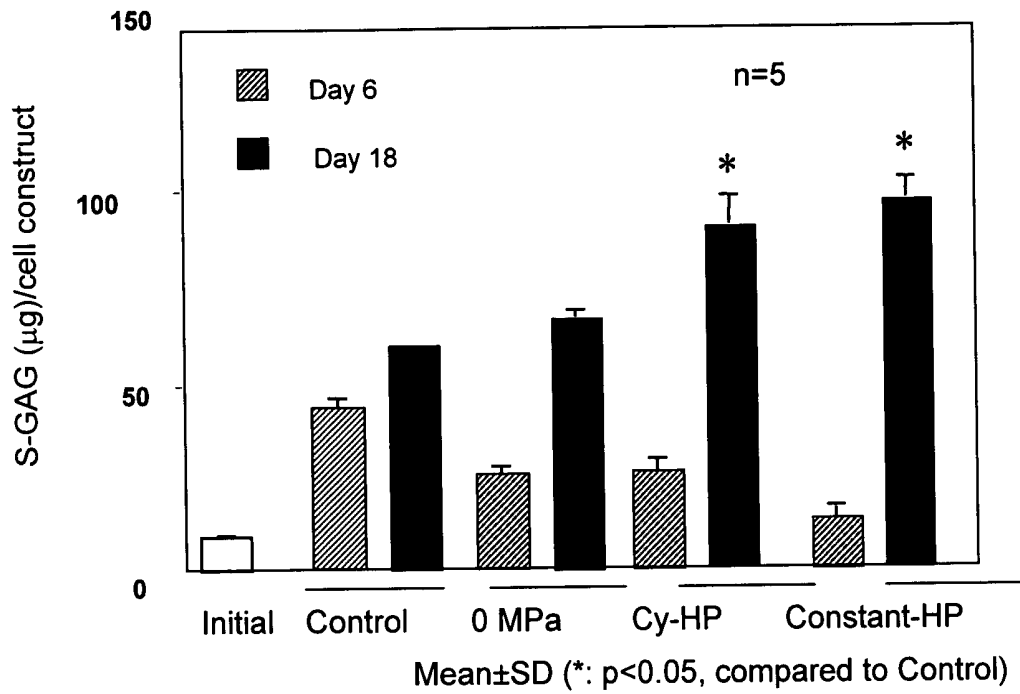
**Fig. 4A**



**Fig. 4B**



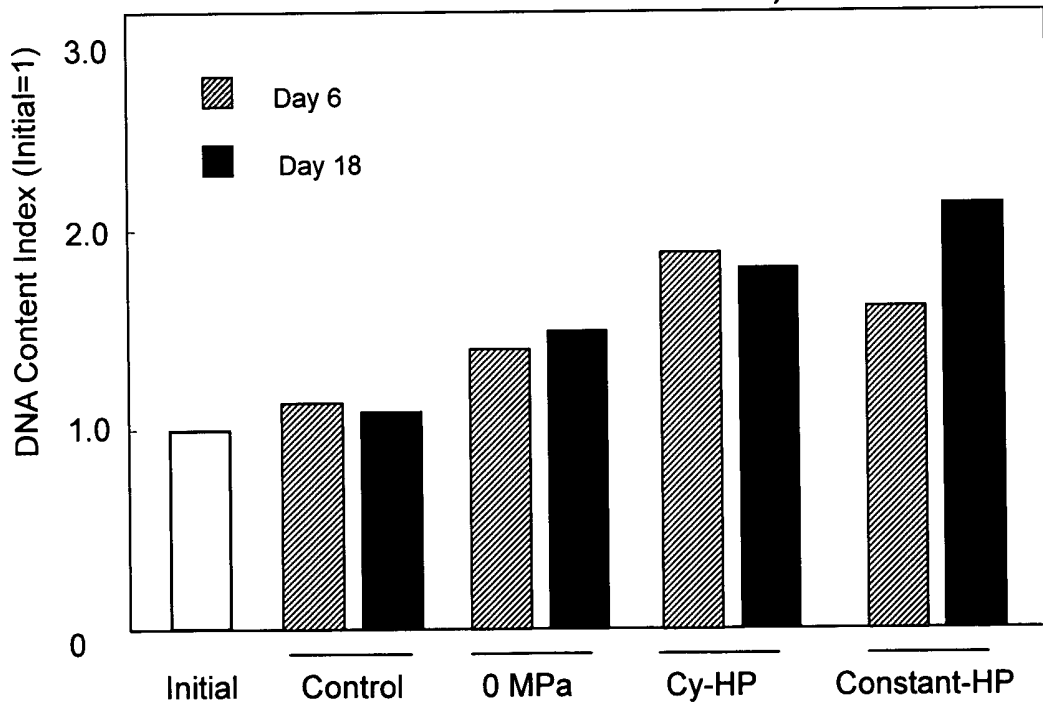
**Fig. 5A**



(\*:  $p < 0.05$ , compared to Static, \*\*:  $p < 0.05$ , compared to

**Fig. 5B**

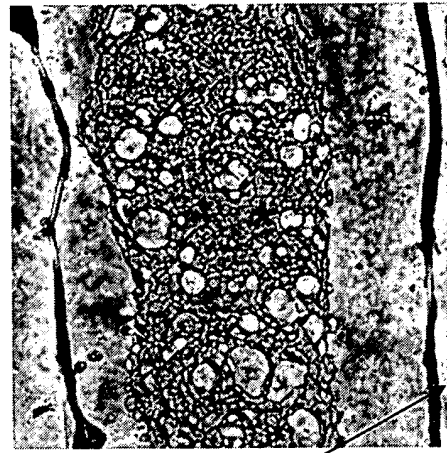
0 MPa )



**Fig. 6A**



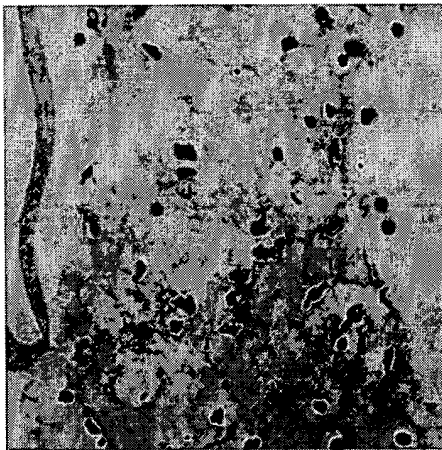
**Fig. 6B**



**\*: S-GAG accumulation (Day 18)**

**Collagen sponge**

**Fig. 6C**

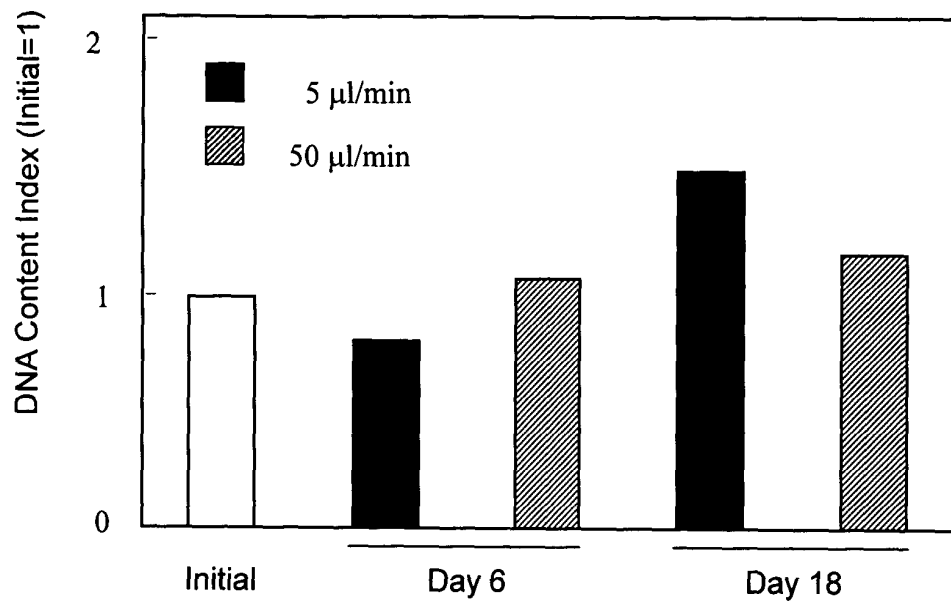


**Fig. 6D**

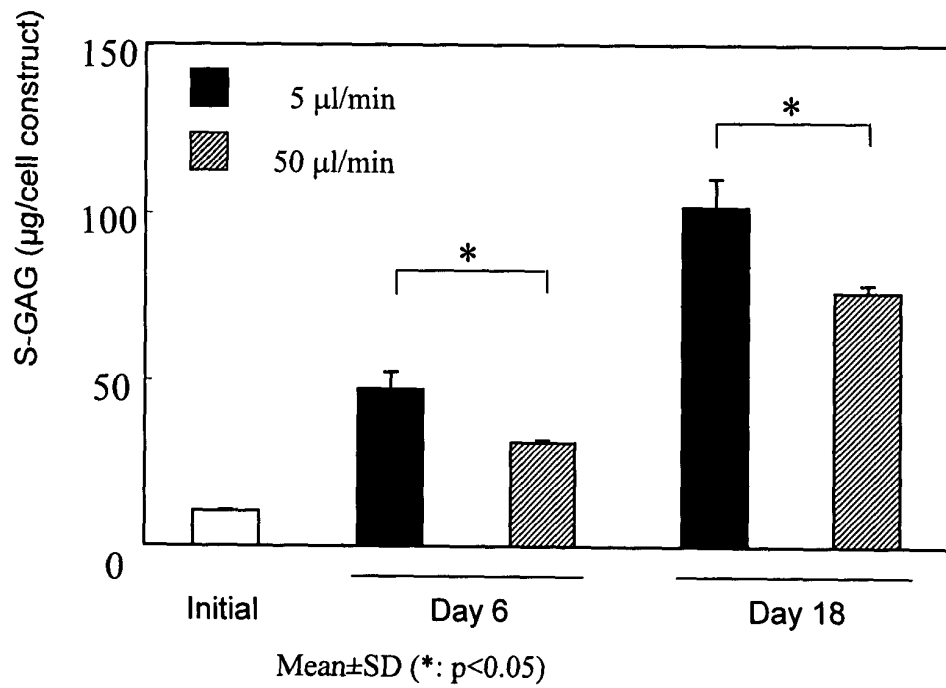


**\*: Type II collagen accumulation (Day 6)**

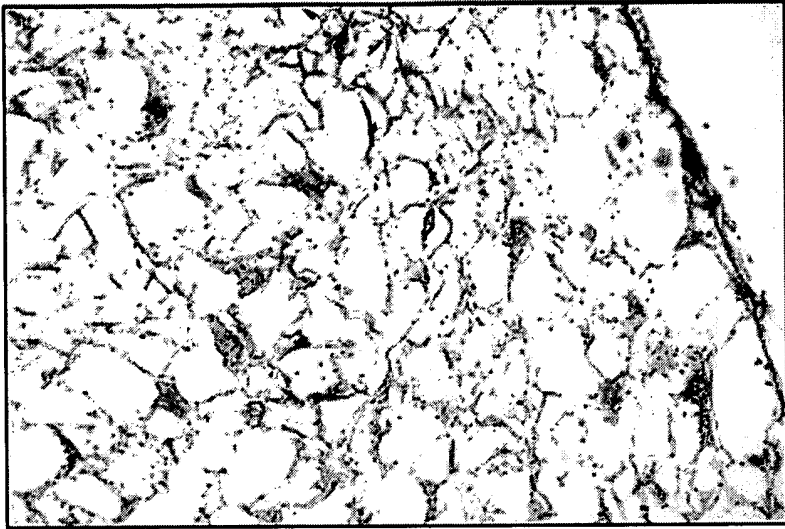
**Fig. 7A**



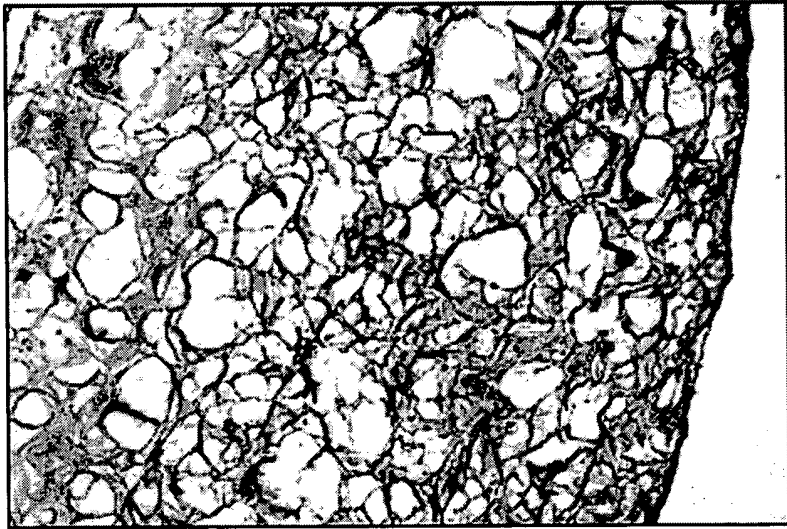
**Fig. 7B**



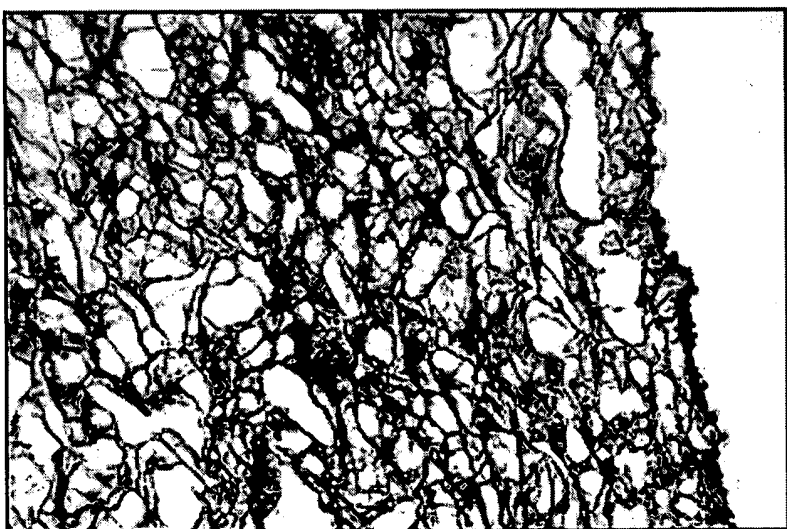
**Fig. 8A**



**Fig. 8B**

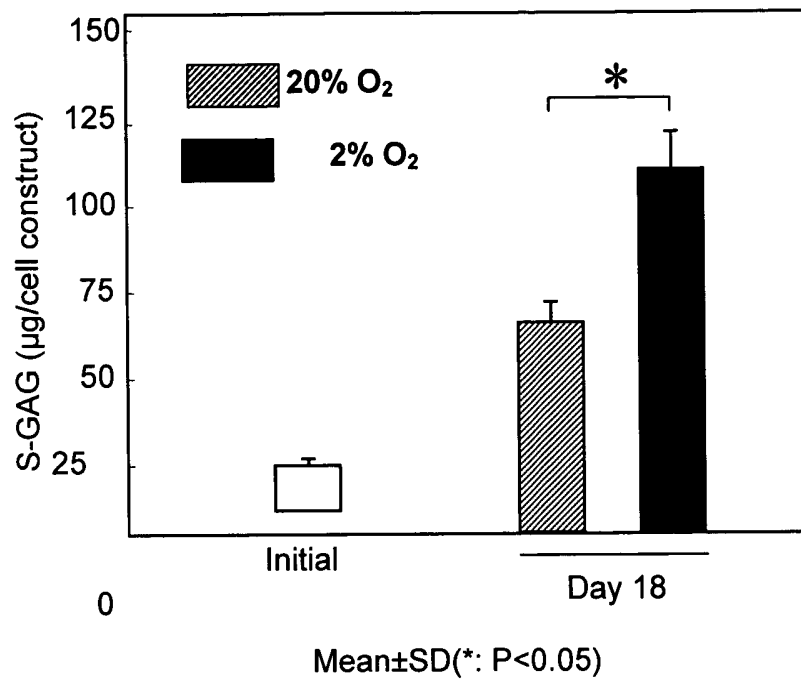


**Fig. 8C**

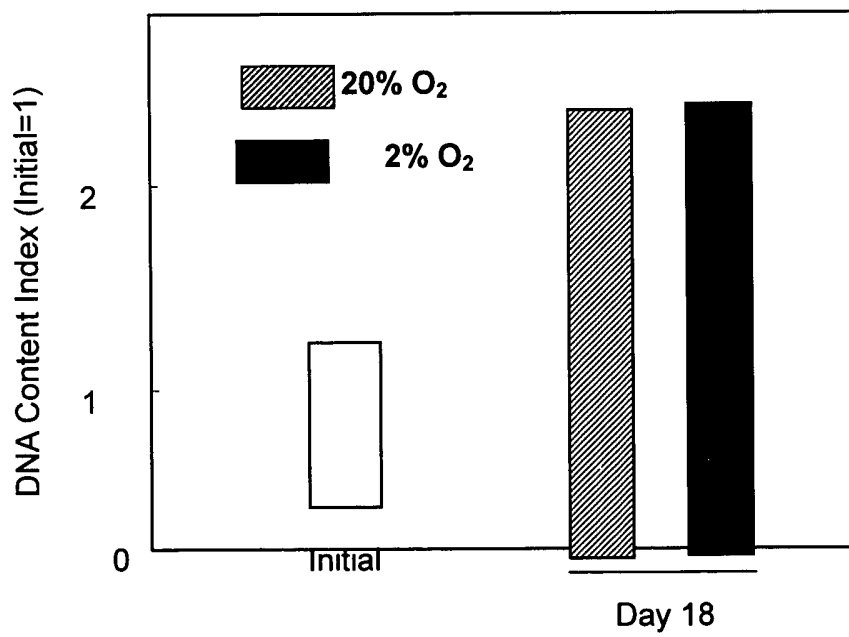




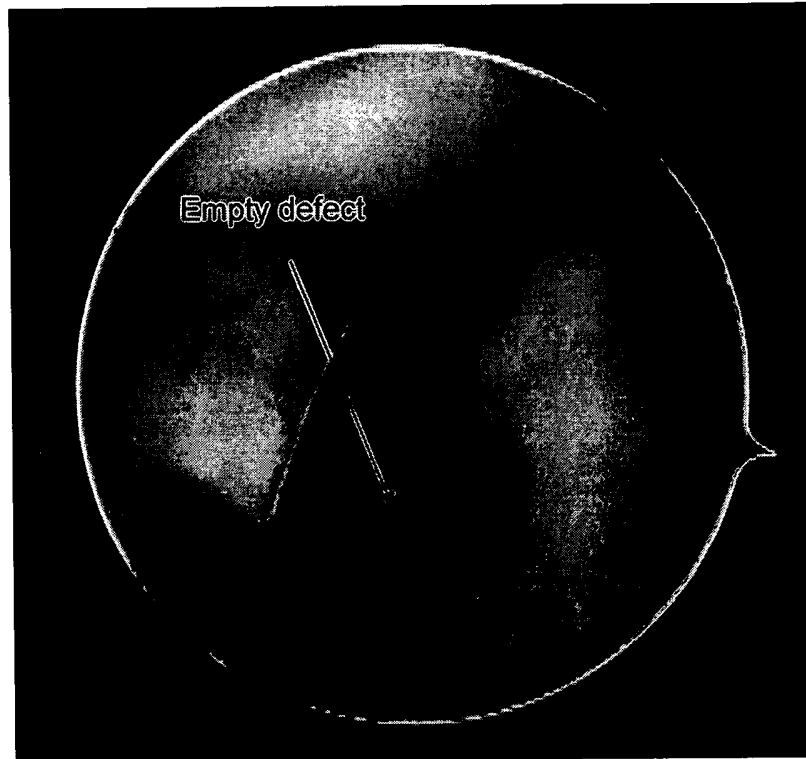
**Fig. 9A**



**Fig. 9B**

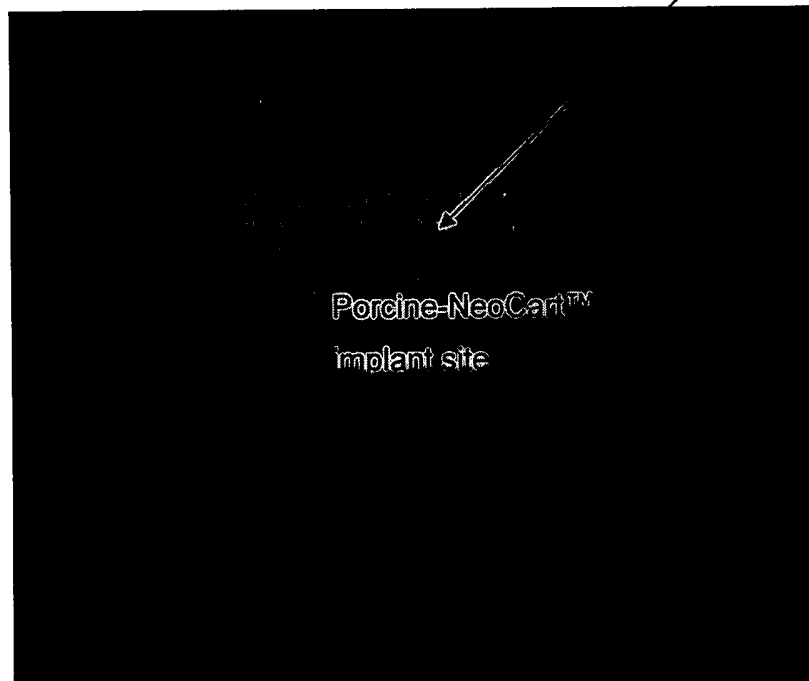


**Fig. 10A**

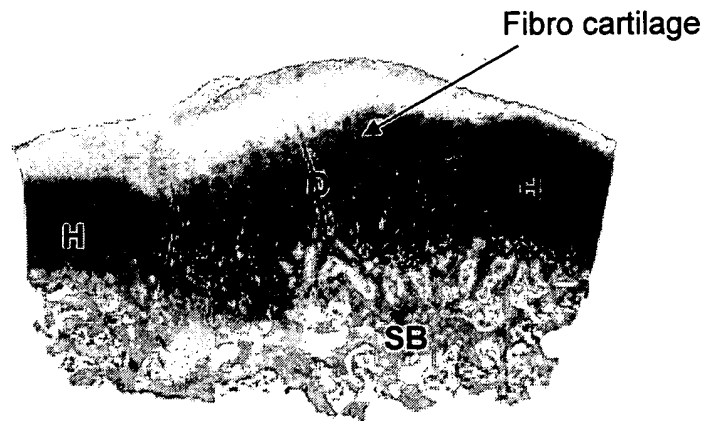


**Fig. 10B**

Superficial cartilage layer

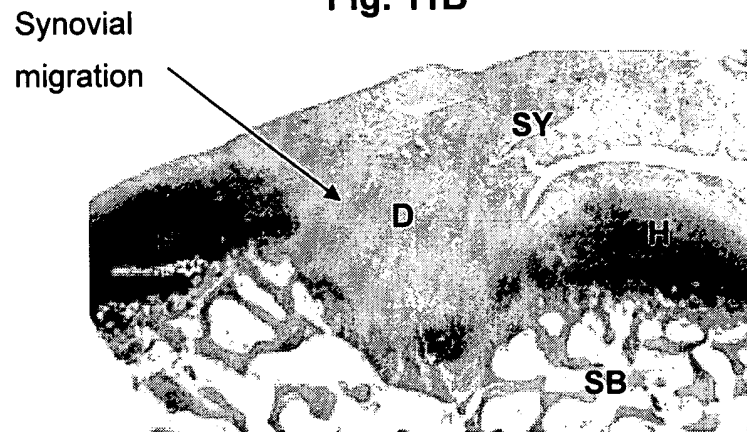


**Fig. 11A**



H: Host cartilage, D: Defect site, SB: Subchondral bone

**Fig. 11B**

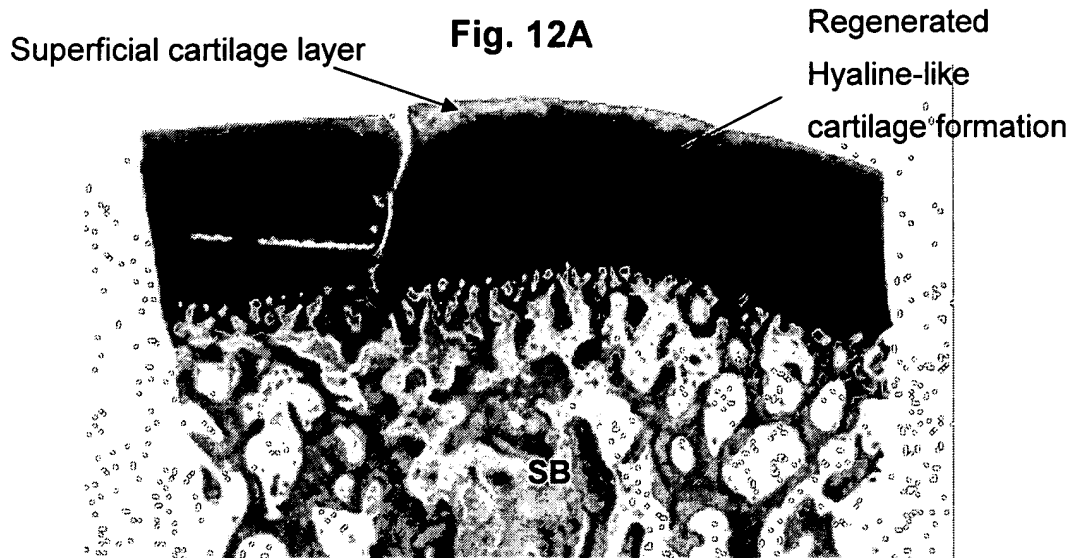


H: Host cartilage, D: Defect site, SB: Subchondral bone, SY: Synovium

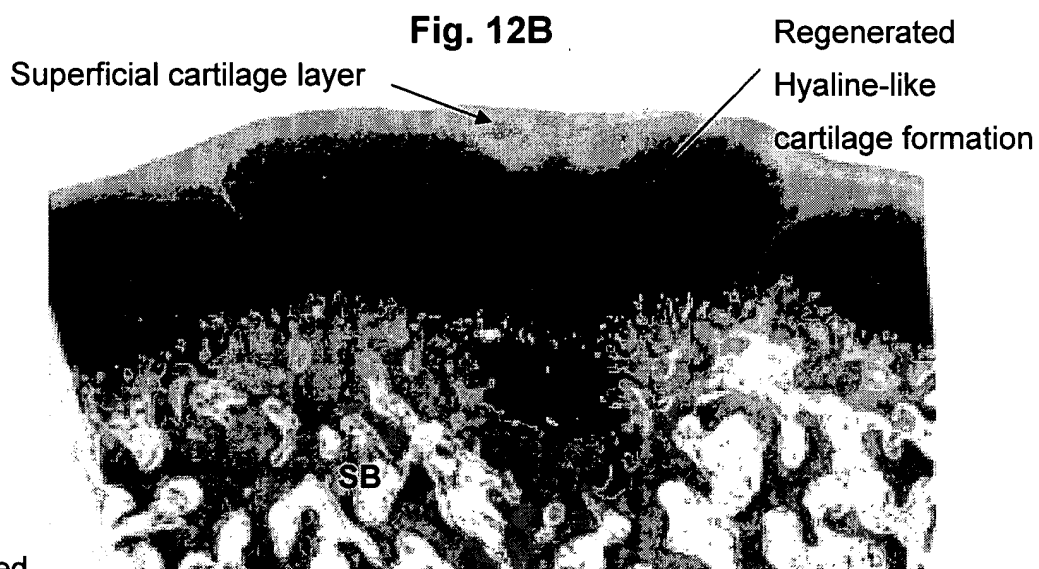
**Fig. 11C**



H: Host cartilage, D: Defect site, SB: Subchondral bone

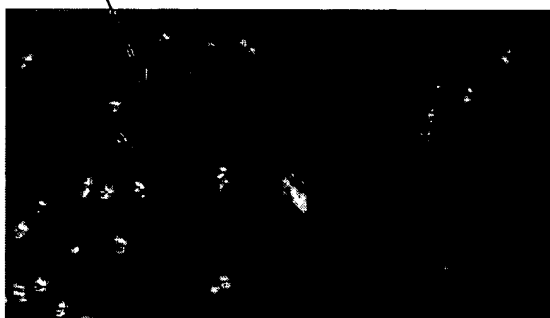


H: Host cartilage, N: Porcine-NeoCart™ implant site, SB: Subchondral bone



Regenerated  
Hyaline-like  
cartilage

**Fig. 12C**



**Fig. 12D**

Cell integration

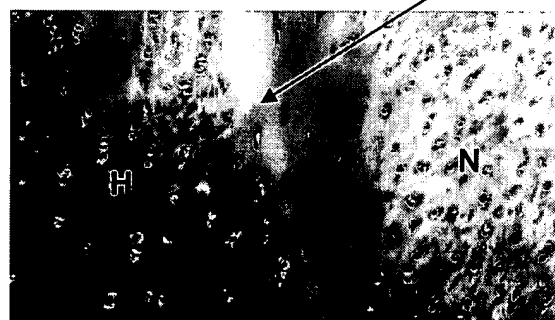


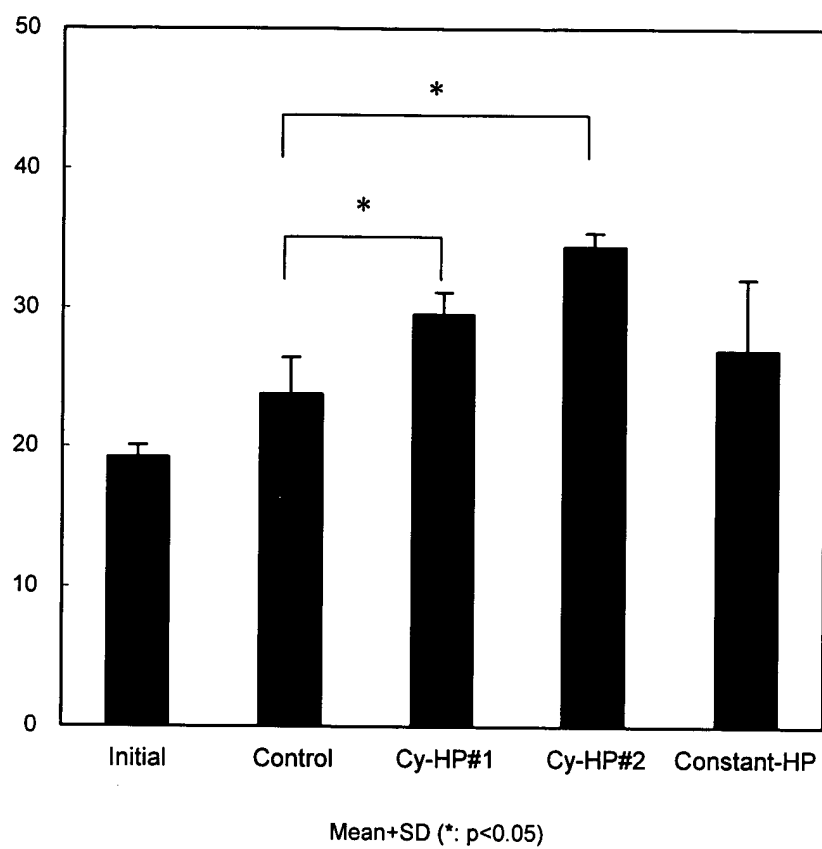
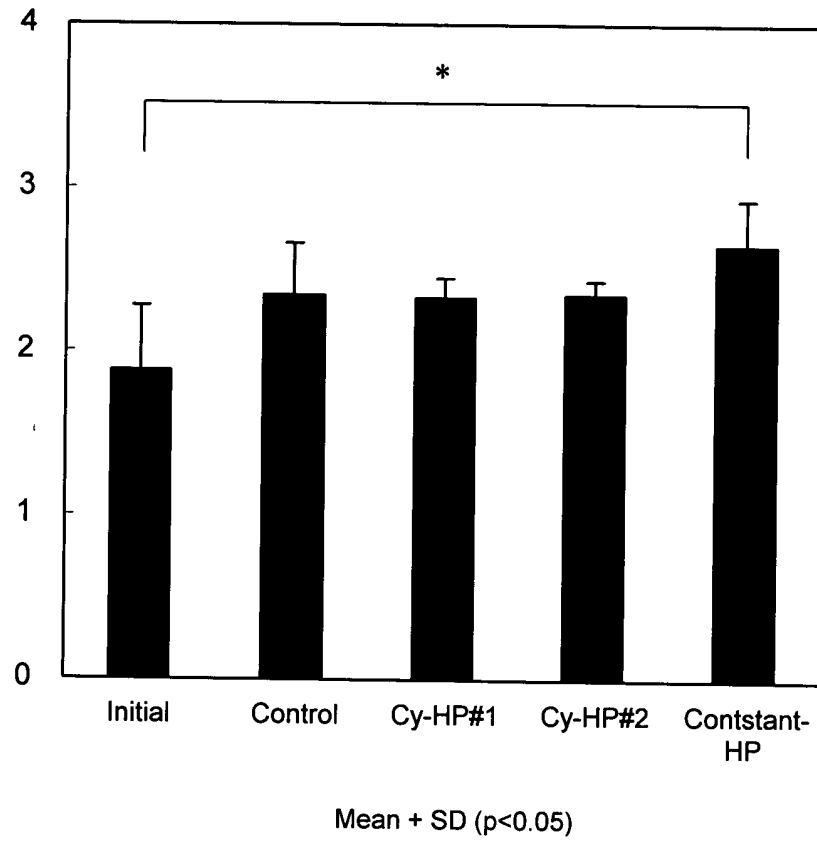
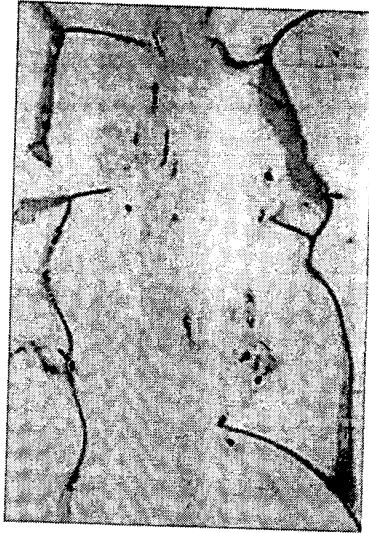
Fig. 13

Fig. ~~7~~ 14

<sup>15</sup>  
Fig. 3A



<sup>15</sup>  
Fig. 3B



<sup>15</sup>  
Fig. 3C



<sup>15</sup>  
Fig. 3D



<sup>15</sup>  
Fig. 3E

